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- (71) Applicant (for all designated States except US): TOY-OTA JIDOSHA KABUSHIKI KAISHA [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HOSHIBA, Takeshi [JP/JP]; c/o TOYOTA JIDOSHA KABUSHIKI KAISHA, 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP). NADA, Mitsuhiro [JP/JP]; c/o TOYOTA JIDOSHA KABUSHIKI KAISHA, 1, Toyota-cho, Toyota-shi, Aichi 4718571 (JP).
- (74) Agent: ITEC INTERNATIONAL PATENT FIRM; Pola-Nagoya Bldg., 9-26, Sakae 2-chome, Naka-ku, Nagoya-shi, Aichi 4600008 (JP).

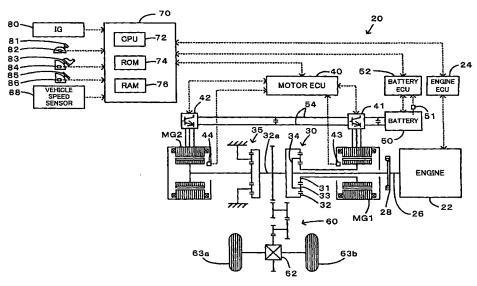
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(54) Title: POWER OUTPUT APPARATUS, METHOD OF CONTROLLING THE SAME, AND AUTOMOBILE



(57) Abstract: The technique of the invention sets an upper limit torque Tm1max and a lower limit torque Tm1min output from a motor generator, based on input and output restrictions Win and Wout of a battery, a motor electric power demand Pm2, an auxiliary machinery electric power demand Pcsm, and a potential loss Ploss (step S150). The technique then restricts a target revolution speed Ne* of an engine to make an output torque of the motor generator within a range of the lower limit torque Tm1min to the upper limit torque Tm1max (steps S180 to S200). This arrangement ensures output of a torque in response to a driver's requirement, while effectively preventing the battery from being charged or discharged excessively.

